

A METHOD AND A CIRCUIT SYSTEM FOR USING EQUIVALENT INTEGRATED-CIRCUIT DEVICES OPERATING AT DIFFERENT VOLTAGES

**ABSTRACT OF THE DISCLOSURE**

The circuit system includes an integrated circuit which is one of a family of equivalent integrated circuits that comprises a first-generation integrated circuit operating at the supply voltage of the circuit system and at least one subsequent-generation integrated circuit having a portion operating at a lower voltage. The first-generation integrated circuit has a direct electrical connection between one of the supply terminals and another terminal. The subsequent-generation integrated circuit has a voltage reducer with regulator the output of which is connected to the other terminal. A filter capacitor is connected between the other terminal and one of the supply terminals.

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